

## IN THE ABSTRACT

Please add the following Abstract:

**Abstract**

An echo canceller (1) is described, which has dedicated ~~non-stationary~~non-stationary echo cancelling properties. The ~~non-stationary~~non-stationary echo could be estimated directly, or indirectly by subtracting the stationary echo determined by a stationary noise estimator. The echo canceller may comprise an adaptive filter (4) and a residual echo processor (6) coupled to the adaptive filter, which residual echo processor is equipped with the ~~non-stationary~~non-stationary echo canceller. Such a ~~non-stationary~~non-stationary echo canceller is proposed in order to prevent the stationary component in the echo estimate, especially in the residual echo from continuously distorting near end speech. This improves echo canceller performance in terms of speech quality and speech intelligibility, which is particularly important in cases of single talk near end speech, as opposed to double talk.